

FOR NATIONAL PHASE SUBMISSION

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CLAIM AMENDMENTS

WHAT IS CLAIMED IS:

This listing of the claims will replace all prior versions, and listing, of claims in the application:

1. ~~(Currently Amended) Valve~~ A valve body ~~with comprising~~ a needle ~~(22)~~ and a cartridge ~~(21)~~ with a recess ~~(211)~~, which takes in the needle ~~(22)~~ and which comprises on one of its ends a seat plate ~~(213)~~, that comprises a needle seat ~~(2132)~~ for the inward opening needle ~~(22)~~, ~~with wherein~~ the needle ~~(22)~~ further comprises ~~ing~~ a seat-part ~~(221)~~ with a sealing area ~~(222)~~, that rests on the needle seat ~~(2132)~~, if it is pushed against the needle seat ~~(2132)~~, ~~with wherein~~ the seat-part ~~(221)~~ comprises ~~ing~~ a cavity radially inwards from the sealing area ~~(222)~~ and covering in axial extension the sealing area ~~(222)~~, ~~characterized in, that, and wherein~~ the cavity is formed in proximity to the sealing area ~~(222)~~, and makes the seat-part flexible in the sealing area ~~(222)~~.
2. ~~(Currently Amended) Valve~~ A valve body ~~in accordance with according to claim 1, with wherein~~ the cavity ~~being is~~ formed as a blind hole ~~(223)~~.
3. ~~(Currently Amended) A valve body according to claim 1, comprising Valve body in accordance with one of the preceding claims with a filler part~~ ~~(226)~~, that is taken in the cavity.

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4. (Currently Amended) A valve body according to claim 3,
wherein Valve body in accordance with claim 3 with the filler part
(226) protrudesing into a sack volume (2133) formed in the seat plate
(213).

5. (Currently Amended) A valve body according to claim 3,
wherein Valve body in accordance with one of the claims 3 or 4, with
the filler part (226) consistssing of plastics.

6. (Currently Amended) A valve body according to claim 1,
wherein Valve body in accordance with one of the preceding claims
with the cavity being is formed in an annular shape.

7. (Currently Amended) A valve body according to claim 6,
wherein Valve body in accordance with claim 6 with part of the seat
part (221) protrudesing into a sack volume (2133) formed in the seat
plate (213).

8. (Currently Amended) A valve body according to claim 1,
wherein Valve body in accordance with one of the preceding claims
with the seat part (221) being is spherically shaped.

9. (Currently Amended) A valve body according to claim 8,
wherein Valve body in accordance with claim 8 with the seat part (221)
being is formed by a ball (228) with a hole passing through the ball
(228), where into which the needle (22) is taken in and which forms
together with the needle (22) a cavity.

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10. (Currently Amended) ~~A F~~fluid injector with comprising a housing ~~(1)~~, an actuator unit and a valve body ~~(2)~~ ~~in accordance with one of the preceding claims according to claim 1.~~

11. (NEW) A valve body comprising a needle movably arranged within a cartridge with a recess, wherein the cartridge comprises on one of its ends a seat plate that comprises a needle seat, wherein the needle further comprises a tip with a sealing area resting on the needle seat when pushed against the needle seat, and wherein the tip comprises a cavity in proximity to the sealing area.

12. (NEW) A valve body according to claim 11, wherein the cavity is formed as a blind hole.

13. (NEW) A valve body according to claim 11, comprising a filler part that is arranged within the cavity.

14. (NEW) A valve body according to claim 13, wherein the filler part protrudes into a sack volume formed in the seat plate..

15. (NEW) A valve body according to claim 13, wherein the filler part consists of plastics.

16. (NEW) A valve body according to claim 11, wherein the cavity has an annular shape.

17. (NEW) A valve body according to claim 16, wherein part of the tip protrudes into a sack volume formed in the seat plate.

18. (NEW) A valve body according to claim 11, wherein the tip is spherically shaped.

ATTORNEY DOCKET NO.
071308.0728
2003P13391WOUS

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19. **(NEW)** A valve body according to claim 18, wherein the tip is formed by a ball comprising a hole into which the needle is inserted, wherein the ball together with the needle define a cavity.

20. **(NEW)** A fluid injector comprising a housing, an actuator unit and a valve body according to claim 11.